

Please type a plus sign (+) inside this box →

PTQ/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
A collection of information unless it contains a valid OMB control number.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

She

1

8

4

Complete if Known

Application Number	09/838,863
Filing Date	4/20/2001
First Named Inventor	Mattar Neto
Group Art Unit	3761
Examiner Name	Weiss Jr., Joseph Francis
Attorney Docket Number	70317.1200

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AJR	8	3,902,500		Dryden	09-02-1975	
	9	4,351,328		Bodai	09-28-1982	
	10	4,569,344		Palmer	02-11-1986	
	11	4,696,296		Palmer	09-29-1987	
	12	4,805,611		Hodgkins	02-21-1989	
	13	4,825,859		Lambert	05-02-1989	
	14	4,834,726		Lambert	05-30-1989	RECEIVED MAP 04 2004
	15	4,836,199		Palmer	06-06-1989	TECHNOLOGY CENTER R3300
	16	4,838,255		Lambert	06-13-1989	
	17	4,850,350		Jackson	07-25-1989	
	18	4,938,199		Sato et al.	07-03-1990	
	19	4,938,741		Lambert	07-03-1990	
	20	4,967,743		Lambert	11-06-1990	
	21	4,981,466		Lambert	01-01-1991	
	22	5,025,806		Palmer et al.	06-25-1991	
	23	5,029,580		Radford et al.	07-09-1991	
	24	5,065,754		Jansen	11-18-1991	
	25	5,073,164		Hollister	12-17-1991	
	26	5,083,561		Russo	01-28-1992	
	27	5,088,486		Jinotti	02-18-1992	

FOREIGN PATENT DOCUMENTS

Examiner Signature	Darren Lunn	Date Considered	3/6/05
-----------------------	-------------	--------------------	--------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

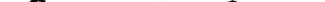
Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

<p style="text-align: right;">O P E R A T I O N S C A R D</p> <p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p>FEB 27 2004</p> <p>U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE</p> <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> <p>Sheet 2 of 4</p>				<p>Complete If Known</p> <table border="1"> <tr> <td>Application Number</td> <td>09/838,863</td> </tr> <tr> <td>Filing Date</td> <td>4/20/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Mattar Neto</td> </tr> <tr> <td>Group Art Unit</td> <td>3761</td> </tr> <tr> <td>Examiner Name</td> <td>Weiss Jr., Joseph Francis</td> </tr> <tr> <td>Attorney Docket Number</td> <td>70317.1200</td> </tr> </table>		Application Number	09/838,863	Filing Date	4/20/2001	First Named Inventor	Mattar Neto	Group Art Unit	3761	Examiner Name	Weiss Jr., Joseph Francis	Attorney Docket Number	70317.1200
Application Number	09/838,863																
Filing Date	4/20/2001																
First Named Inventor	Mattar Neto																
Group Art Unit	3761																
Examiner Name	Weiss Jr., Joseph Francis																
Attorney Docket Number	70317.1200																

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	3/6/05
-----------------------	---	--------------------	--------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

O P E R A T I O N S

FEB 27 2004 Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of

4

Complete If Known

Application Number	09/838,863
Filing Date	4/20/2001
First Named Inventor	Mattar Neto
Group Art Unit	3761
Examiner Name	Weiss Jr., Joseph Francis
Attorney Docket Number	70317.1200

RECEIVED
MAR 04 2004

TECHNOLOGY CENTER RJ700

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
A.J.L	47	CARLON ET AL., "Evaluation Of A Closed-Tracheal System," Critical Care Medicine, 1987, Volume 15, Pages 522-525.	
A.J.L	48	CLARK ET AL., "Effects Of Endotracheal Suctioning On Mixed Venous Saturation And Heart Rate In Critically Ill Adults," Heart & Lung, 1990, Volume 19, Pages 522-557.	
A.J.L	49	CZARNIK ET AL., "Differential Effects Of Continuous Versus Intermittent Suction On Tracheal Tissue," Heart & Lung, 1991, Volume 20, Pages 144-151.	
A.J.L	50	DEPPE ET AL., "Incidence Of Colonization, Nosocomial Pneumonia, And Mortality In Critically Ill Patients Using a Trach Care Closed-Suctioning System Versus An Open- Suction System: Prospective, Randomized Study," Critical Care Medicine, 1990, Volume 18, Pages 1389-1393.	
A.J.L	51	JOHNSON ET AL., "Closed Versus Open Endotracheal Suctioning: Cost And Physiologics Consequences," Critical Care Medicine, 1994, Volume 22, Pages 658-666.	
A.J.L	52	MATTAR ET AL., "A Clinical Comparison Between Cardiac Output Measured By Thermodilution Technique And Noninvasive Thoracic Electrical Bioimpedance," Acute Care, 1986, Volume 12, Pages 58-60.	
A.J.L	53	MATTAR ET AL., "The Effects On Oxygen Transport With Varying Respiratory Flow Waveforms In Critically Ill Patients," Critical Care Medicine, 1997, Volume 25 (Suppl), Page A36.	
A.J.L	54	MATTAR ET AL., "Sistolic And Diastolic Time Intervals In Critically Ill Patients," Critical Care Medicine, 1991, Volume 19, Pages 1392-1398.	
	55	MATTAR ET AL., "A Comparative Study Of Oxygen Transport During Open And Closed Methods Of Tracheal Suctioning," Intensive & Critical Care Digest, 1992, Volume 11, Pages 57-58.	
A.J.L	56	MATTAR, "Noninvasive Cardiac Output Determination By Thoracic Electrical Bioimpedance," Intensive & Critical Care Digest, 1988, Volume 7, Pages 14-18.	
A.J.L	57	RAYMOND, "Normal Saline Instillation Before Suctioning Helpful Or Harmful: A View Of the Literature," American Journal Of Critical Care, July 1995, Volume 4, Pages 267-271.	

Examiner Signature

Clareen Lenn

Date Considered

3/16/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0851-0031
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheep

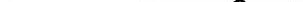
4

Complete if Known

~~RECEIVED~~
MAR 04 2004
101

Application Number	09/838,863	MAR 04 2004 TECHNOLOGY CENTER R3700
Filing Date	04-20-2001	
First Named Inventor	Mattar Neto	
Group Art Unit	3761	
Examiner Name	Weiss Jr., Joseph Francis	
Attorney Docket Number	70317.1200	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	3/4/05
--------------------	---	-----------------	--------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*** Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.**

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/838,863
(use as many sheets as necessary)		Filing Date	4/20/2001
		First Named Inventor	Mattar Neto
		Group Art Unit	3761
		Examiner Name	Weiss Jr., Joseph Francis
		Attorney Docket Number	70317.1200
Sheet	1	of	1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

**Examiner
Signature**

Darren Lam

**Date
Considered**

3 | 4 | 05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.